THE 8051 MICROCONTROLLERS · Niceventreller General Ruspose miero processor RAM ROM 15/0 Timer Secial Com Time Revial COM. Adven bus. Ordering a Milwormholler c) The wo. of 1/6 fin & times 1. 0) Speed: c) Round consumption c) 7 6) lackaging d) the discourt of Rom & Rom 8) Upgrage 31 Cost a. Hew easy is to develop product around the > availability of assumbler > debugger > code efférent-c language compiler > emulatel 7 tech suppost 3. Its ready anaisetity new & future, can have more supplier like 0051 frendly demobed by Entel But now Amel, Rulips, AMD, Dallas - somicanoluctors) OVERVIEW OF 8051 MICROCONTR ROM; 4K bytes 128 bytes Times: 40: 32 Quial: Inbumptdeme: 6 l'osc

COMPARISON C	Seturen 8051	family nu	mbu 8031	Iracasi 875	(0000 - 0FFF) A T89C51
LOM	8051 4K	8K	0K		(10m) 4k
RHM	128	2.56	128	AND SEASON	(flash Rom)
Timer	2	3	2		Rom burner
			32	22	11
1/0	32	82			terite crase.
Service port	1.	1	1	1	
Interrupt	6	8	6	6	us V
DS89C420/430/ Hack is chip which lande fungrammed min semal. COM part of an IBM PC. (on dup lander) (7000-3HF) INSIDE 8051 REGISTER					
	INSIDE OF	21 Vediste	A: Man Q	Ioustin	m
· CPV comi	uen of for non	y sugistu	is well in	Daine She	0
do ofen	ation.	. 0		of at 1	
Acc	Accumulator		0 E04 ~	fourbose	
В	& Jugistu	OFOH	0004	Register	RO- R7
<u>029</u>	bragram Hatu		814	1.0	
	orlata fainter (tas Linnas in		
DPL	dow byte		824		The state of the s
DPH		t	634		0.004
Po	high by buto		80H		
11	lou i		904	四十月	Mello
P2	Post-2		0404	160132	Ma
P3	last 3		0804		· Laury Comment
II o	Manust	drionity course	1 0884		
IF (mutupl unabli	e cautral	OHSA		
Trup	Timey counter	mode cute	of 84H	•	
TON	comers counts	u control	28H	(Mullip)	143 11/17
T200N	wher / com	un 2 cartrel	0 CBH		
T2MOD	Times coude	1 mode coul	H OCAH		
Tho	umer/ como	al o high	butte &CH		
710	The Counter	O low by	te 8AH		

d

2.7

Time l'counter 1 bugh byte 804 THI BBH Times countre 1 low byte न्धः OCDH Timer (wenter & high bite T42 OCCH Thusfurther a low byte TL2 T/c 2 capture register high byte ocen T/c 2 capture register wir byte o CAH ROMP24 REAF2L spral control SCON 994 Serbal data buffer SBUF BIH Rouse control PLON